

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 29, 2006, 03:02:19 ; Search time 255 Seconds
(without alignments)
3176.261 Million cell updates/sec

Title: US-09-824-575A-2
Perfect score: 5981
Sequence: 1 MSRA5VGDLAPARTIYL.....VSQEVIRAYDTTKKSRKK 1148

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2166443 seqs, 705528306 residues

Total number of hits satisfying chosen parameters: 2166443

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database:

UniProt 05.80:*
1: uniprot_sprotl:*
2: uniprot_trembl:*

*Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5954	99.5	1148	1 AT9A2 HUMAN	Q9nt12 homo sapien
2	5951	99.5	1188	2 Q6ZSP3 HUMAN	Q6zsp3 homo sapien
3	5661	94.6	1148	1 AT9A2 MOUSE	P98200 mus musculus
4	4923.5	82.3	968	2 Q6ZU25 HUMAN	Q6zu25 homo sapien
5	4166.5	69.7	1164	2 Q8BR88 MOUSE	Q8br88 mus musculus
6	4166.5	69.7	1195	2 Q5DTG0 MOUSE	Q5dtg0 mus musculus
7	4157.5	69.5	1164	1 AT9A1 HUMAN	Q9Y2q0 mus sapien
8	4133	69.1	1149	1 AT9A1 MOUSE	P70704 mus musculus
9	4113	68.8	1177	2 Q59EX4 HUMAN	Q59ex4 homo sapien
10	4107	68.7	1149	1 AT9A1 BOVIN	Q29449 bos taurus
11	4003	66.9	1247	2 Q4RTG6 TETNG	Q4rtg6 tetraodon n
12	3372	56.4	947	2 Q4S557 TETNG	Q4s557 tetraodon n
13	3265	54.6	1150	2 Q87014 DROME	Q87014 drosophila
14	3249.5	54.3	1235	2 Q9V6P5 DROME	Q9v6p5 drosophila
15	3249.5	54.3	1360	2 Q8ML69 DROME	Q8ml69 drosophila
16	3212	53.7	1076	2 Q7PMY3 ANOGA	Q7pmv3 anopheles g
17	3187.5	53.3	1216	2 Q6AWM7 DROME	Q6awm7 drosophila
18	2928.5	49.0	806	2 Q52KQ7 MOUSE	Q52kq7 mus musculus
19	2711.5	45.3	1357	2 Q4X1T4 ASPFU	Q4x1t4 aspergillus
20	2695	45.1	1348	2 Q5B018 EMENI	Q5b018 aspergillus
21	2655	44.4	1333	2 Q6C314 YARLI	Q6c314 varroa li
22	2642	44.2	1384	2 Q4P669 USYMA	Q4p669 ustilago ma
23	2640	44.1	1358	2 Q94296 SCHPO	Q94296 schizosacch
24	2636	44.1	1363	2 Q417R5 GIBZE	Q417r5 gibberella
25	2633.5	44.0	1305	2 Q9P424 AJECA	Q9p424 ajellomyces
26	2610.5	43.6	1133	2 Q61P70 CABER	Q61f70 caenorhabdi
27	2600	43.5	1360	2 Q7RZL3 NEUCR	Q7rzl3 neurospora
28	2582	43.2	1343	2 Q6CY12 KLULA	Q6cy12 kluyveromyc
29	2569.5	43.0	1139	2 Q9U280 CABEL	Q9u280 caenorhabdi
30	2549.5	42.6	1320	2 Q5ADR3 CANAL	Q5adr3 candida alb
31	2535.5	42.4	1328	2 Q6FT10 CANGA	Q6ft10 candida gla

32 2513 42.0 1355 1 ATC3 YEAST
33 2506.5 41.9 1089 2 Q7JK70 CABEL
34 2498 41.8 1326 2 Q5KP96 CRYNE
35 2487 41.6 1328 2 Q55ZY9 CRYNE
36 2425.5 40.6 1313 2 Q55E61 DICDI
37 2362.5 39.5 1311 2 Q759C7 ASHGO
38 2241.5 37.5 1209 1 AT882 HUMAN
39 2239.5 37.4 1223 2 Q72486 HUMAN
40 2235.5 37.4 1201 2 Q4RTU6 TETNG
41 2231.5 37.3 1250 2 Q5BL50 XENTR
42 2225 37.2 1192 1 AT884 HUMAN
43 2223 37.2 1251 1 AT9B1 HUMAN
44 2221 37.1 1213 1 ALA3 ARATH
45 2209 36.9 1251 2 Q6R964 MOUSE

ALIGNMENTS

RESULT 1

AT9A2 HUMAN
ID AT9A2 HUMAN STANDARD; PRT; 1148 AA.
AC Q9NT12; Q9HPUG; Q9NPU6; Q9NTL2; Q9NYM3;
DT 16-OCT-2001 (Rel. 40, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 13-SEP-2005 (Rel. 48, Last annotation update)
DE Potential phospholipid-transporting ATPase IB (BC 3.6.3.1) (ATPase
DE class I type 8A member 2) (ML-1).
GN Name=AT9A2; Synonyms=ATPIB;
OS Homo sapiens (Human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE (ISOFORM 2).
RA Sun X.L., Milo G.E., Li D.;
RL Submitted (JAN-2003) to the EMBL/GenBank/DBJ databases.
RN [2]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RX PubMed=15057823; DOI=10.1038/nature02379;
RA Dunham A., Matthews L.H., Burton J., Ashurst J.L., Howe K.L.,
RA Ashcroft K.J., Beare D.M., Burford D.C., Hunt S.E.,
RA Griffiths-Jones S., Jones M.C., Keenan S.J., Oliver K., Scott C.B.,
RA Ainscough R., Almeida J.P., Ambrose K.D., Andrews D.T.,
RA Ashwell R.I.S., Babbage A.K., Baggeley C.L., Bailey J., Bannerjee R.,
RA Barlow K.P., Bates K., Beasley H., Bird C.P., Bray-Allen S.,
RA Brown A.J., Brown J.Y., Burrill W., Carder C., Carter N.P.,
RA Chapman J.C., Clamp M.E., Clark S.Y., Clarke G., Clee C.M.,
RA Clegg S.C., Cobley V., Collins J.E., Corby N., Coville G.J.,
RA Deloukas P., Dhami P., Dunham I., Dunn M., Earthrowl M.E.,
RA Ellington A.G., Faulkner L., Frankish A.G., Frankland J., French L.,
RA Garner P., Garnett J., Gilbert J.G.R., Gilson C.J., Ghori J.,
RA Grafham D.V., Gribble S.M., Griffiths C., Hall R.E., Hammond S.,
RA Harley J.L., Hart E.A., Heath P.D., Howden P.J., Huckle E.J.,
RA Hunt P.J., Hunt A.R., Johnson C., Johnson D., Kay M., Kimberley A.M.,
RA King A.D., Laird G.K., Langford C.J., Lawlor S., Leongamornlert D.A.,
RA Lloyd D.M., Lloyd C., Loveland J.E., Lovell J., Martin S.,
RA Mashregui-Mohammadi M., McLaren S.J., McMurray A., Milne S.,
RA Moore M.J.P., Nickerson T., Palmer S.A., Pearce A.V., Peck A.I.,
RA Pelan S., Phillimore B., Porter K.M., Rice C.M., Searle S.,
RA Seyra H.K., Showkeen R., Skuce C.D., Smith M., Steward C.A.,
RA Sycamore N., Tester J.M., Thomas D.W., Tracey A., Tromans A., Tubby B.,
RA Wall M., Wallis J.M., West A.P., Whitehead S.L., Willey D.L.,
RA Wilming L., Wray P.W., Wright M.W., Young L., Coulson A., Durbin R.,
RA Hubbard T., Sulston J.E., Beck S., Bentley D.R., Rogers J., Ross M.T.;
RL "The DNA sequence and analysis of human chromosome 13.";
RL Nature 428:522-528(2004).
RN [3]
RP PARTIAL NUCLEOTIDE SEQUENCE.
RX MEDLINE=20017962; PubMed=10551800;
RA Sun X.L., Li D., Fang J., Noyes I., Casto B., Theil K., Shuler C.,
RA Milo G.E.;

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OM protein - protein search, using sw model

Run on: March 29, 2006, 03:11:59 ; Search time 26 Seconds
(without alignments)
1302.290 Million cell updates/sec

Title: US-09-824-575A-2

Perfect score: 5981

Sequence: 1 MSRAVSVDQLEAPRTYL.....VSQEVIRAYDTTKKSRKK 1148

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 174695 seqs, 29494374 residues

Total number of hits satisfying chosen parameters: 174695

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

- Published Applications_AA_New:*
- 1: /SIDSS/ptodata/1/pubpaa/US08_NEW_PUB.pap.*
 - 2: /SIDSS/ptodata/1/pubpaa/US06_NEW_PUB.pap.*
 - 3: /SIDSS/ptodata/1/pubpaa/US07_NEW_PUB.pap.*
 - 4: /SIDSS/ptodata/1/pubpaa/PCT_NEW_PUB.pap.*
 - 5: /SIDSS/ptodata/1/pubpaa/US09_NEW_PUB.pap.*
 - 6: /SIDSS/ptodata/1/pubpaa/US10_NEW_PUB.pap.*
 - 7: /SIDSS/ptodata/1/pubpaa/US11_NEW_PUB.pap.*
 - 8: /SIDSS/ptodata/1/pubpaa/US60_NEW_PUB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2236.5	37.2	1190	7	US-11-043-889-20
2	2223	37.2	1251	7	US-11-043-889-22
3	2103	35.2	1216	7	US-11-096-568A-28970
4	2079	34.8	1218	7	US-11-096-568A-31175
5	2073	34.7	1166	7	US-11-096-568A-30808
6	2073	34.7	1174	7	US-11-096-568A-30807
7	2066.5	34.6	1167	7	US-11-096-568A-30871
8	2061.5	34.5	1181	7	US-11-096-568A-27847
9	2061.5	34.5	1189	7	US-11-096-568A-27846
10	2042.5	34.1	1169	7	US-11-096-568A-31176
11	2032.5	34.0	1184	7	US-11-096-568A-29280
12	1941	32.5	1057	7	US-11-096-568A-30809
13	1939	32.4	1108	7	US-11-096-568A-28972
14	1929.5	32.3	1072	7	US-11-096-568A-27848
15	1915	32.0	1110	7	US-11-096-568A-31177
16	1897.5	31.7	1063	7	US-11-096-568A-29281
17	1797	30.0	1134	7	US-11-043-889-34
18	1759	29.4	1508	7	US-11-043-889-47
19	1753	29.3	1187	7	US-11-043-889-46
20	1733	29.0	989	7	US-11-096-568A-29282
21	1680	28.1	1588	7	US-11-043-889-37
22	1268	21.2	1194	7	US-11-000-463-249
23	1265	21.2	1070	7	US-11-000-463-721
24	1221	20.4	877	6	US-10-821-234-960
25	1047.5	17.5	756	6	US-10-330-773-731

26	1042	17.4	736	7	US-11-072-512-3774	Sequence 3774, Ap
27	1029.5	17.2	912	6	US-10-501-035-372	Sequence 372, App
28	751.5	12.6	529	7	US-11-072-512-2137	Sequence 2137, Ap
29	739.5	12.4	501	6	US-10-537-002-61	Sequence 61, Appl
30	595.5	10.0	376	7	US-11-096-568A-7703	Sequence 7703, Ap
31	556	9.3	255	6	US-10-330-773-734	Sequence 734, App
32	552.5	9.2	340	7	US-11-096-568A-7704	Sequence 7704, Ap
33	550.5	9.2	337	7	US-11-096-568A-7705	Sequence 7705, App
34	389.5	6.5	890	6	US-10-510-386-26	Sequence 26, Appl
35	375.5	6.3	1015	6	US-10-957-569-51	Sequence 51, Appl
36	375.5	6.3	1015	7	US-11-097-589-50	Sequence 50, Appl
37	356.5	6.0	1220	6	US-10-501-035-260	Sequence 260, App
38	327	5.5	919	7	US-11-074-176-284	Sequence 284, App
39	315.5	5.3	892	7	US-11-082-389-396	Sequence 396, App
40	307	5.1	997	6	US-10-501-035-238	Sequence 238, App
41	296	4.9	388	7	US-11-072-512-3764	Sequence 3764, Ap
42	293.5	4.9	1023	6	US-10-821-234-1377	Sequence 1377, Ap
43	198	3.3	946	7	US-11-010-239-42	Sequence 42, Appl
44	166	2.8	775	6	US-10-467-857-4032	Sequence 4032, Ap
45	142.5	2.4	1001	6	US-10-467-962B-81	Sequence 81, Appl

ALIGNMENTS

RESULT 1

US-11-043-889-20
; Sequence 20, Application US/11043889
; Publication No. US2006008819A1
; GENERAL INFORMATION:
; APPLICANT: Curtis, Rory A.J.
; APPLICANT: Gluckman, Maria Alexandra
; APPLICANT: Meyers, Rachel E.
; TITLE OF INVENTION: NOVEL 38594, 57312, 53659, 57250, 63760, 49938, 32146,
; TITLE OF INVENTION: 57259, 67118, 67067, 62092, FHS8295FL, 57255,
; TITLE OF INVENTION: AND 57255SALT MOLECULES AND USES THEREFOR
; FILE REFERENCE: MP102-095DV10NM1
; CURRENT APPLICATION NUMBER: US/11/043.889
; CURRENT FILING DATE: 2005-01-26
; PRIOR APPLICATION NUMBER: US 10/154,419
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: US 09/858194
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/204211
; PRIOR FILING DATE: 2000-05-12
; PRIOR APPLICATION NUMBER: US 09/895811
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/215376
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 09/919781
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/221769
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 09/957664
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: US 60/233790
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: US 09/964295
; PRIOR FILING DATE: 2001-09-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: FastSeq Version 4.0
; SEQ ID NO 20
; LENGTH: 1190
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-889-20

Query Match 37.2%; Score 2226.5; DB 7; Length 1190;
Best Local Similarity 40.9%; Pred. No. 8.3e-176;
Matches 469; Conservative 210; Mismatches 380; Indels 89; Gaps 18;

QY 27 KPRDNRISTAKYSVLTPLPRFLYEQRRAANAPFLALQIQIPDVSPGTGRYTTVLPLII 86

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OM protein - protein search, using sw model

Run on: March 29, 2006, 03:10:59 ; Search time 177 Seconds
(without alignments)
2709.989 Million cell updates/sec

Title: US-09-824-575A-2
Perfect score: 5981
Sequence: 1 MSRATSVGDQLEAPARTIYL.....VSQEVIRAYDTTKKGRKK 1148

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues
Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5954	99.5	1176	4	US-10-041-395-2
2	5661	94.6	1148	5	US-10-732-923-22564
3	4944	82.7	994	5	US-10-732-923-22746
4	4363	72.9	883	4	US-10-041-395-5
5	4166.5	69.7	1164	5	US-10-732-923-22563
6	4157.5	69.5	1164	5	US-10-732-923-22727
7	4153.5	69.4	1161	4	US-10-170-102-4
8	4153.5	69.4	1161	5	US-10-732-923-22728
9	4133.5	69.1	1193	4	US-10-467-685-2
10	4133	69.1	1149	5	US-10-732-923-22562
11	4119	68.9	790	5	US-10-732-923-22731
12	4107	68.7	1149	5	US-10-732-923-22750
13	3793	63.4	729	5	US-10-732-923-22733
14	3302.5	55.2	1142	5	US-10-732-923-22578
15	3265	54.6	1150	5	US-10-732-923-22717
16	3249.5	54.3	1235	5	US-10-732-923-22719
17	3249.5	54.3	1360	5	US-10-732-923-22718
18	3220.5	53.8	1297	6	US-11-097-143-25221
19	3171	53.0	613	5	US-10-732-923-22739
20	2865.5	47.9	1352	5	US-10-732-923-22570
21	2640	44.1	1104	4	US-10-369-493-32548
22	2640	44.1	1258	4	US-10-310-154-703
23	2640	44.1	1258	5	US-10-732-923-621
24	2640	44.1	1258	5	US-10-732-923-22696
25	2633.5	44.0	1305	5	US-10-732-923-22697
26	2600	43.5	1360	5	US-10-732-923-22698
27	2574.5	43.0	1299	4	US-10-369-493-3557

28	2569.5	43.0	1139	5	US-10-732-923-22712	Sequence 22712, A
29	2513	42.0	1355	4	US-10-310-154-702	Sequence 702, App
30	2513	42.0	1355	4	US-10-369-493-1388	Sequence 1388, Ap
31	2513	42.0	1355	5	US-10-732-923-620	Sequence 620, App
32	2513	42.0	1355	5	US-10-732-923-22760	Sequence 22760, A
33	2310	38.6	1035	4	US-10-369-493-12862	Sequence 12862, A
34	2239.5	37.4	1190	4	US-10-332-447-4	Sequence 4, Appl1
35	2239.5	37.4	1566	5	US-10-499-352A-523	Sequence 523, App
36	2231.5	37.3	1190	4	US-10-490-556-2	Sequence 2, Appl1
37	2226.5	37.2	1190	3	US-09-964-295-2	Sequence 20, Appl1
38	2226.5	37.2	1190	4	US-10-154-419-20	Sequence 4, Appl1
39	2223	37.2	1251	3	US-09-964-295-4	Sequence 22, Appl1
40	2223	37.2	1251	4	US-10-154-419-22	Sequence 1210, Ap
41	2223	37.2	1251	4	US-10-295-027-1210	Sequence 70, Appl1
42	2223	37.2	1251	4	US-10-188-832-70	Sequence 22729, A
43	2223	37.2	1251	5	US-10-732-923-22729	Sequence 5289, Ap
44	2223	37.2	1251	5	US-10-756-149-5289	Sequence 22589, A
45	2221	37.1	1213	5	US-10-732-923-22589	

ALIGNMENTS

RESULT 1

US-10-041-395-2
; Sequence 2, Application US/10041395
; Publication No. US20020119523A1
; GENERAL INFORMATION:
; APPLICANT: Curtiss, Rory A.J.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 67073, A Human Phospholipid Transporter
; FILE REFERENCE: Family Member and Uses Therefor
; CURRENT APPLICATION NUMBER: US/10/041,395
; CURRENT FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: 60/262,216
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/289,358
; PRIOR FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1176
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: US-10-041-395-2

Query Match	99.5%	Score	5954	DB	4	Length	1176
Best Local Similarity	99.7%	Pred. No.	0				
Matches	1144	Conservative	2	Mismatches	2	Indels	0
Gaps	0						
Qy	1	MSRATSVGDQLEAPARTIYLNQPHLNKFRDNRISTAKYSVLTPFLPFLYEQIRRAANAFF	60				
Db	29	MSRATSVGDQLEAPARTIYLNQPHLNKFRDNRISTAKYSVLTPFLPFLYEQIRRAANAFF	88				
Qy	61	LFTALLQQIPDVSGPTGYTTLVPLIITLTIAGKEIVEDFGRHKADNANVKKTVILRNG	120				
Db	89	LFTALLQQIPDVSGPTGYTTLVPLIITLTIAGKEIVEDFGRHKADNANVKKTVILRNG	148				
Qy	121	MWHTIMKKEVAVGDIKVVNGQYLPADVLLSSSEPOAMCYVTANLDGETNLKIRQLS	180				
Db	149	MWHTIMKKEVAVGDIKVVNGQYLPADVLLSSSEPOAMCYVTANLDGETNLKIRQLS	208				
Qy	181	HTADMOTREVLMLKSGTIECBGNRHLYDFTGNLNDGKSLVALGPDQILLRGTLRNTQ	240				
Db	209	HTADMOTREVLMLKSGTIECBGNRHLYDFTGNLNDGKSLVALGPDQILLRGTLRNTQ	268				
Qy	241	WVFGIVVYTGHTDKLMQNSTKAPLKRSNVEKVTNQVILVFGILLVVALVSSAGALYWR	300				
Db	269	WVFGIVVYTGHTDKLMQNSTKAPLKRSNVEKVTNQVILVFGILLVVALVSSAGALYWR	328				
Qy	301	SHGKKNWYIKKQDTSNFGNLLTPIILYNNLIPISLLVTVLEVVKYTOALPINWDTDMY	360				

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OM protein - protein search, using sw model

Run on: March 29, 2006, 03:10:04 ; Search time 50 Seconds
(without alignments)
1898.234 Million cell updates/sec

Title: US-09-824-575A-2
Perfect score: 5981
Sequence: 1 MSRATSVGQLEAPRTIYL.....VSOEVRAYDTTKKSRKK 1148

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues
Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3191	53.4	615	2	US-09-949-016-9602
2	2223	37.2	1251	2	US-09-949-016-7784
3	1802	30.1	1177	2	US-09-795-927-2
4	1778	29.7	1426	2	US-09-710-092-14
5	1778	29.7	1426	2	US-10-231-354-14
6	1745.5	29.2	1270	2	US-09-710-092-10
7	1745.5	29.2	1270	2	US-10-231-354-10
8	1729	28.9	1395	2	US-09-949-016-7109
9	1393	23.3	822	2	US-09-248-796A-20787
10	1326.5	22.2	1056	2	US-09-710-092-6
11	1326.5	22.2	1056	2	US-10-231-354-6
12	1181.5	19.8	972	2	US-10-231-354-2
13	1181.5	19.8	972	2	US-10-231-354-2
14	1042	17.4	736	2	US-10-104-047-3774
15	947.5	15.8	818	2	US-09-248-796A-20792
16	869.5	14.5	324	2	US-09-248-796A-20753
17	852.5	14.3	578	2	US-09-710-092-16
18	852.5	14.3	578	2	US-10-231-354-16
19	820	13.7	422	2	US-09-710-092-12
20	820	13.7	422	2	US-10-231-354-12
21	814	13.6	622	2	US-09-270-767-44449
22	805.5	13.5	815	2	US-09-248-796A-20788
23	751.5	12.6	529	2	US-10-104-047-2137
24	637.5	10.7	570	2	US-09-248-796A-18607
25	539.5	9.0	451	2	US-09-248-796A-20754
26	534	8.9	374	2	US-09-795-927-4
27	503.5	8.4	255	2	US-09-270-767-33855

28	503.5	8.4	255	2	US-09-270-767-49072	Sequence 49072, A
29	425	7.1	225	2	US-09-248-796A-20752	Sequence 20752, A
30	422	7.1	331	2	US-09-248-796A-20795	Sequence 20795, A
31	408	6.8	1198	2	US-09-949-016-6109	Sequence 6109, Ap
32	406.5	6.8	185	2	US-09-248-796A-20789	Sequence 20789, A
33	401	6.7	208	2	US-09-710-092-8	Sequence 8, Appl1
34	401	6.7	208	2	US-10-231-354-8	Sequence 8, Appl1
35	391.5	6.5	1179	2	US-09-949-016-10545	Sequence 10545, A
36	390.5	6.5	239	2	US-09-270-767-59887	Sequence 59887, A
37	358.5	6.0	1225	2	US-09-949-016-9468	Sequence 9468, Ap
38	354	5.9	898	2	US-09-583-110-3327	Sequence 3327, Ap
39	354	5.9	916	2	US-09-107-433-2987	Sequence 2987, Ap
40	328	5.5	719	2	US-09-107-532A-5992	Sequence 5992, Ap
41	326	5.5	1141	2	US-09-949-016-9459	Sequence 9459, Ap
42	324	5.4	829	2	US-09-270-767-46176	Sequence 46176, A
43	305.5	5.1	690	2	US-09-949-016-8803	Sequence 8803, Ap
44	303	5.1	84	2	US-09-513-999C-6727	Sequence 6727, Ap
45	301.5	5.0	1031	2	US-09-949-016-7849	Sequence 7849, Ap

ALIGNMENTS

RESULT 1
US-09-949-016-9602
; Sequence 9602, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9602
; LENGTH: 615
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9602

Query Match	53.4%	Score 3191;	DB 2;	Length 615;
Best Local Similarity	59.7%	Pred. No. 0;		
Matches	613;	Conservative	0;	Mismatches
			2;	Indels
				0;
				Gaps
				0;
Qy	534	KRMSVIVRTSGRLRYCKGADNVIFERLSKDSKYMEETLCHLEFYFATEGRLTLCVAYAD	593	
Db	1	KRMSVIVRTSGRLRYCKGADNVIFERLSKDSKYMEETLCHLEFYFATEGRLTLCVAYAD	60	
Qy	594	LSENEYEWLKVQEAETILKDRALKEECVETIEKMLLLGATAIEDRLQAGVPETIAT	653	
Db	61	LSENEYEWLKVQEAETILKDRALKEECVETIEKMLLLGATAIEDRLQAGVPETIAT	120	
Qy	654	LLKAKIKIWLTDGKQTAINIGYSCRLVSNMALILLKEDSLDAAITOHCTDLGNL	713	
Db	121	LLKAKIKIWLTDGKQTAINIGYSCRLVSNMALILLKEDSLDAAITOHCTDLGNL	180	
Qy	714	LGKENDVALLIDGHTLKVLSFEVRRSFLDLALSKAVICCRVSPLOKSEIVDVVKRKK	773	
Db	181	LGKENDVALLIDGHTLKVLSFEVRRSFLDLALSKAVICCRVSPLOKSEIVDVVKRKK	240	
Qy	774	AITLAIIGDANDVGMIOQTAHVGVGISGNEGQATNSDYAIAQPSYLEKLLVHGASYN	833	
Db	241	AITLAIIGDANDVGMIOQTAHVGVGISGNEGQATNSDYAIAQPSYLEKLLVHGASYN	300	
Qy	834	RVTKCILYCFYKNVLYIIELWFAFVNGFSGQILFERWCIGLYNVITFALPPTLIGTIFER	893	

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OM protein - protein search, using sw model
Run on: March 29, 2006, 03:05:44 ; Search time 50 Seconds
(without alignments)
2209.137 Million cell updates/sec

Title: US-09-824-575A-2
Perfect score: 5981
Sequence: 1 MSRATSGDQLEAPARTIYL.....VSQEVIRAYDTTKKSRKK 1148

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : PIR.*
1: pir1.*
2: pir2.*
3: pir3.*
4: pir4.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4133	69.1	1149	T30869	probable adenosine
2	4107	68.7	1149	T18515	adenosinetriphosph
3	3793	63.4	729	T46328	probable adenosine
4	2640	44.1	1258	T40737	probable calcium-t
5	2513	42.0	1355	S51995	probable ATPase (E
6	2216.5	37.1	1123	C96622	probable ATPase F2
7	2090	34.9	1228	G96751	hypothetical prote
8	2085.5	34.9	1244	C96584	hypothetical prote
9	2032.5	34.0	1184	D86387	probable protein P
10	2032	34.0	1200	F96711	hypothetical prote
11	1991	33.3	1203	F86266	probable phospholi
12	1842	30.8	1571	S50669	hypothetical prote
13	1812.5	30.3	1402	S62557	probable calcium-t
14	1795	30.0	1612	S51243	probable ATPase (E
15	1701	28.4	1367	T38820	probable calcium-t
16	1582.5	26.5	1656	S54520	probable membrane
17	1574	26.3	1353	T26301	hypothetical prote
18	1524	25.5	632	T27057	hypothetical prote
19	1444	24.1	1553	S67483	adenosinetriphosph
20	1426.5	23.9	1454	C98175	protein T24H7.5b [
21	1424.5	23.8	1212	D88175	protein T24H7.5a [
22	1229	20.5	1033	T39030	probable calcium-t
23	1194.5	20.0	1151	S48431	probable membrane
24	1192	19.9	1020	T42229	probable E1-E2 ATP
25	1167.5	19.5	1059	T21891	hypothetical prote
26	1146	19.2	221	T51867	hypothetical prote
27	1119	18.7	1864	T18485	hypothetical prote
28	985	16.5	626	D88601	protein Y49E10.11
29	938	15.7	1156	T14899	aminophospholipid

protein H06H21.10
probable adenosine
hypothetical prote
cation-transportin
Ca2+-transporting
Ca2+-transporting
calcium-transporti
plasma membrane Ca
Ca2+-transporting
Ca2+-transporting
cation-transportin
cation-transportin
Ca2+-transporting
Ca2+-transporting
Ca2+-transporting
Ca2+-transporting

ALIGNMENTS

RESULT 1

T30869
probable adenosinetriphosphatase (EC 3.6.1.3) - mouse
N;Alternate names: chromaffin granule ATPase II; P-type ATPase
C;Species: Mus musculus (house mouse)
C;Date: 22-Oct-1999 #sequence_revision 22-Oct-1999 #text_change 09-Jul-2004
C;Accession: T30869
R;Pradhan, D.; Blackman, C.F.; Williamson, P.; Schlegel, R.A.
submitted to the EMBL Data Library, October 1996
A;Reference number: Z20912
A;Accession: T30869
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: mRNA
A;Residues: 1-1149 <PRA>
A;Cross-references: UNIPROT:P70704; UNIPARC:UPI000002773D; EMBL:U75321; NID:g163647;
C;Keywords: hydrolase

Query Match 69.1%; Score 4133; DB 2; Length 1149;
Best Local Similarity 68.3%; Pred. No. 1.1e-280;
Matches 781; Conservative 150; Mismatches 191; Indels 22; Gaps 4;
Qy 1 MSRATSGDQLEAPARTIYLNQPHANKFRDNRISTAKYSLVLTPLRELYEQIRRAANAF 60
Db 24 VSEKTSLADQEE--VRTIFINQQLTKFCNNHUSTAKYVITFPLRELYSQFRAANSFF 81
Qy 61 LFTALLQQIPDVSGPTGRYTTLVPLIIITLTIAGIKEIVEDFKRHKADNAVKNKKTIVLRNG 120
Db 82 LFTALLQQIPDVSGPTGRYTTLVPLIIITLTIAGIKEIVEDFKRHKADNAVKNKKTIVLRNG 141
Qy 121 MWHITMKVEVAGDVKVNVNGQYLPADVLLSSSEPOAMCYVETANLDGETNLKIROGLS 180
Db 142 ABEIVHWEKVNVDGVIKGYIPADTVLLSSSEPOAMCYVETANLDGETNLKIROGLP 201
Qy 181 HTADMOTREVLAKLSGTIECEGNHLYDFGNLNDGKSLVALGPDQIILRGTLQRLNTQ 240
Db 202 ATSDIKDIDSLMRISGRICESEPNRHLDPVGNIRLDHGTVPUGAQIILRGTLQRLNTQ 261
Qy 241 WFGIVVYVTHGDKLMONSTKAPLKRNSKVNQVLLVLFGLILLVVALYSSAGALYNNR 300
Db 262 WVGIVVYVTHGDKLMONSTKAPLKRNSKVNQVLLVLFGLILLVVALYSSAGALYNNR 321
Qy 301 SHGKKNWYIKKMDTSDNFGYNLLTFIILVNNLIPISLLVLEVKVKTQALFINWDTMY 360
Db 322 RHSGKWYHLHYGGASNFGLNFLTIFILFNLLIPISLLVLEVKVKTQALFINWDTMY 381
Qy 361 YIGNDTPAMARTSNLNEELQVKYLPSTKGTGTCNTMNEKCKSIAGVYGHFPELAREP 420
Db 382 YEPTDTAAMARTSNLNEELQVKYLPSTKGTGTCNTMNEKCKSIAGVYGHFPELAREP 432
Qy 421 SSDDFCRRPPPCSDCDPDRLLRNIEDRHPTAPCIQEBELTLLAVCHTVVPEKDGNI 480
Db 433 QSQGF-----GDEKTFNDPFLDLNQLNNHPTAPIICEFLTMWAVCHTAVPEREGDK 485